

**Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

**STATE ORIGIN
AIR QUALITY PERMIT**

Permittee Name : SWECO
Mailing Address: P.O. Box 1509
Florence, KY 41022-1509

Source Name: SWECO
Mailing Address: Same as above
Source Location: 8029 Highway 25
Florence, KY 41042

KYEIS ID #: 21-015-00102
SIC Code: 3569

Region: Florence Regional Office
Florence Regional Office
8020 Ewing Boulevard, Suite 110
Florence, KY 41042

County: Boone

Permit Number: S-99-037 (Revision 1)
Log Number: F975
Rev. Log Number: 54852
Permit Type: Minor Construction and Operating

Issuance Date: May 10, 1999
Revision Date: December 20, 2002
Expiration Date: May 10, 2004

**John S. Lyons, Director
Division for Air Quality**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application which was determined to be complete on January 29, 1999 the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in the Regulation 401 KAR 50:035, Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

- 01 (01) **Finish Paint Spray Booth**
Size: 22 ft x 12 ft
Rated Capacity: 3 gal/hr
Manufacture: DeVilbiss
Construction Commenced date: September 10, 1990
Control Equipment: Particulate Filter
- 02 (02) **Primer Paint Spray Booth**
Size: 22 ft x 12 ft
Rated Capacity: 3 gal/hr
Manufacture: DeVilbiss
Construction Commenced date: October 31, 1991
Control Equipment: Particulate Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations:

Effective Date: April 14, 1988
Applicable Pollutants: Particulates emitted from coatings
Classification Date: none

Regulation 401 KAR 63:010, Fugitive emissions

Effective Date: June 29, 1979
Applicable Pollutants: VOC's, TSP, THC, PM₁₀,
Classification Date: June 29, 1979

Regulation 401 KAR 63:005, Open burning

Effective Date: January 12, 1998
Classification Date: January 12, 1998

1. **Operating Limitations:** See group requirements.
2. **Emission Limitations:** See group requirements.
3. **Testing Requirements:** See group requirements.
4. **Monitoring Requirements:** See group requirements.
5. **Recordkeeping Requirements:** See group requirements.
6. **Reporting Requirements:** See group requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

04 (04) Oil Field Equipment Paint Spray Booth

Capacity: 0.75 gal/hr

Construction Commenced Date: December 2002

Control Equipment: Particulate Filter

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each affected facility associated with a process operation which is not subject to another emission standard with respect to particulates in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

1. **Operating Limitations:** See group requirements.
2. **Emission Limitations:** See group requirements.
3. **Testing Requirements:** See group requirements
4. **Monitoring Requirements:** See group requirements.
5. **Record Keeping Requirements:** See group requirements.
6. **Reporting Requirements:** See group requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Group Requirements for Emission Points :

- | | | |
|----|------|---------------------------------------|
| 01 | (01) | Finish Paint Spray Booth |
| 02 | (02) | Primer Paint Spray Booth |
| 04 | (04) | Oil Field Equipment Paint Spray Booth |

1. **Operating Limitations:** The usage rate of materials used in affected facilities shall not exceed the emission limitations as described in Section B(2) below.
2. **Emission Limitations:**
 1. Pursuant to Regulation 401 KAR 59:010, Section 3(2), emissions of particulate matter shall not exceed 2.34 lbs./hr per booth.
 2. Pursuant to Regulation 401 KAR 59:010, Section 2(1)(a), visible emissions shall not equal or exceed 20% opacity.
 3. Volatile organic compound (VOC) emissions as defined in 401 KAR 50:010 Section 1, General Definitions, shall be less than 18 tons per rolling 12 month total. Emissions of hazardous organic compounds (HAPs) shall be less than nine tons for an individual HAP and twenty-two and one half tons of a combination of HAPs per rolling 12 month total.

Compliance Demonstration Method:

1. Compliance with the mass emission limit and opacity limit is assumed when the filter system controls the emissions of particulate matter and is operated properly in accordance with manufacturer's specifications and/or standard operating procedures as approved by the division.
2. Monthly VOC/HAP emission (lbs) = ? [Monthly usage of each coating, solvent thinner diluent, or any other VOC/HAP containing material in pounds or gallons per month] x [VOC/HAP fraction] x [appropriate conversion factor (if usage is in gallons) for gallons to pounds for each coating, solvent thinner, diluent, or any other VOC/HAP containing material used].
3. **Testing Requirements:** Testing shall be conducted at such times as may be required by the cabinet in accordance with Regulation 401 KAR 50:045 Section 4 to demonstrate continued compliance.
4. **Monitoring Requirements:** See Record Keeping

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Record Keeping Requirements:

1. Gallon of coating applied shall be recorded for each month.
2. Gallon of cleaning solvent shall be recorded for each month.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Depending on recording of lbs or gallons, the VOC percentage (by weight) and individual HAP percentage (by weight) or VOC content (in lbs/gal) and individual HAP content (lbs/gal) of the coating applied shall be recorded.
4. A rolling 12 consecutive month period, showing tons of VOC, individual HAP and combined HAPs emitted shall be recorded.
5. All records shall be retained for a period of five years.

6. Reporting Requirements:

1. The VOC emission calculation for each month in the semiannual period shall be recorded.
2. The total VOC emission for each 12-month period ending in the semiannual period shall be reported.
3. The individual HAP and combined HAPs emission calculations for each month in the semiannual period shall be recorded.
4. The total amount of each individual HAP and combined HAPs emitted for each 12-month period ending in the semiannual period shall be recorded.

SECTION C - GENERAL CONDITIONS

A. Administrative Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be (a) violation(s) of State Regulation 401 KAR 50:035, Permits, Section 7(3)(d) and is grounds for an enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 50:035 Section 12] 3. Any condition or portion of this permit that becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [401 KAR 50:035 Section 7(3)(k)]
3. The permit contained herein may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition. [401 KAR 50:035 Section 7(3)(f)]
4. The permit does not convey property rights or exclusive privileges. [401 KAR 50:035 Section 7(3)(g)]
5. The permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in State Regulation 401 KAR 50:038, Air emissions fee. [401 KAR 50:035 Section 7(3)(h)]
6. Nothing in this permit shall alter or affect the authority of the U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders. [401 KAR 50:035 Section 8(3)(a)]
7. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 50:035 Section 8(3)(b)]
8. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry. [401 KAR 50:035 Section 7(2)(b)5]

SECTION C - GENERAL CONDITIONS (CONTINUED)

B. Recordkeeping Requirements

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 50:035 Section 7(1)(d) 2 and 401 KAR 50:035 Section 7(2)(c)]
2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to State Regulation 401 KAR 50:035, Permits, Section 6.

C. Reporting Requirements

1.
 - a. In accordance with the provisions of Regulation 401 KAR 50:055, Section 1 the owner or operator shall notify the Division for Air Quality's Florence Regional Office concerning startups, shutdowns, or malfunctions as follows:
 - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
 - b. In accordance with the provisions of Regulation 401 KAR 50:035, Section 7(1)(e) 2, the owner or operator shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1 a) above) to the Division for Air Quality's Florence Regional Office.
2. The permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking, reissuing, or terminating this permit, or to determine compliance with this permit. [401 KAR 50:035, Section 7(2)(b) 3e and 401 KAR Section 7(3)(j)]
3. Summary reports of any monitoring required by this permit shall be submitted to the Division's Florence Regional Office at least every six (6) months during the life of this permit, unless otherwise stated in this permit. The reports are due within 30 days after the end of each six-month reporting period that commences on the initial issuance date of this permit. The permittee may shift to semi-annual reporting on a calendar year basis upon approval of the regional office. If calendar year reporting is approved, the semi-annual reports are due January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to Section 6(1) of Regulation 401 KAR 50:035, Permits. All deviations from permit requirements shall be clearly identified in the reports.

SECTION C - GENERAL CONDITIONS (CONTINUED)

D. Inspections

1. In accordance with the requirements of Regulation 401 KAR 50:035, Permits, Section 7(2)(c) the permittee shall allow the Cabinet or an authorized representative to perform the following:
 - a. Enter upon the premises where a source is located or emissions-related activity is conducted, or where records are kept;
 - b. Have access to and copy, at reasonable times, any records required by the permit:
 - i. During normal office hours, and
 - ii. During periods of an emergency when prompt access to records is essential to proper assessment by the Cabinet;
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment) practices, or operations required by the permit. Reasonable times shall include, but are not limited to the following:
 - i. During all hours of operation at the source,
 - ii. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 - iii. During an emergency; and
 - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements. Reasonable times shall include, but are not limited to the following:
 - i. During all hours of operation at the source,
 - ii. For all sources operated intermittently, during all hours of operation at the source and the hours between 8:00 a.m. and 4:30 p.m., Monday through Friday, excluding holidays, and
 - iii. During an emergency.

E. Emergencies/Enforcement Provisions

1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [401 KAR 50:035 Section 7(3)(e)].
2. Pursuant to State Regulation 401 KAR 50:035, Permits, Section 9, an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency if the notice met the requirement of State Regulation 401 KAR 50:035, Permits, Section 7(1)(e) 2, and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.

SECTION C - GENERAL CONDITIONS (CONTINUED)

3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement.
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 50:035 Section 9(3)].

F. Compliance

1. Permit Shield - Except as provided in State Regulation 401 KAR 50:035, Permits, compliance by the affected facilities listed herein with the conditions of this permit shall be deemed to be compliance with all applicable requirements identified in this permit as of the date of the issuance of this permit.
2. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
Pursuant to State Regulation 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by State Regulation 401 KAR 50:055, Section 1.
3. Pursuant to Regulation 401 KAR 50:035, Permits, Section 7(2)(b), the permittee shall annually complete and return a Compliance Certification Form (DEP 7007CC) to the Division's Florence Regional Office in accordance with the following requirements:
 - a. Identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status regarding each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent; and
 - d. The method used for determining the compliance status for the source, currently and over the reporting period, pursuant to 401 KAR 50:035, Section 7(1)(c), (d), and (e).
 - e. The certification shall be postmarked by the thirtieth (30) day following the applicable permit issuance anniversary date, or by January 30th of each year if calendar year reporting is approved by the regional office. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Florence Regional Office
8020 Ewing Boulevard, Suite 110
Florence, KY 41042

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

SECTION C - GENERAL CONDITIONS (CONTINUED)

G. New Construction Requirements:

For Emission Point # 04

1. Pursuant to State Regulation 401 KAR 50:035, Permits, Section 13(1), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Extensions of the time periods specified herein may be granted by the Division upon a satisfactory request showing that an extension is justified.
2. Pursuant to State Regulations 401 KAR 50:035, Permits, Section 7(2)(d) and 401 KAR 59:005, General provisions, Section 3(1), within 30 days following construction commencement, within 15 days following start-up and attainment of maximum production rate, or within 15 days following the issuance date of this permit, whichever is later, the owner and/or operator of the affected facilities specified on this permit shall furnish to the Division's Florence Regional Office, with a copy to the Division's Frankfort Central Office, the following:
 - a. Date when construction commenced, (See General Condition G.1).
 - b. Start-up date of each of the affected facilities listed on this permit.
 - c. Date when maximum production rate was achieved, (See General Condition G.3.b).
3.
 - a. Pursuant to State Regulation 401 KAR 59:005, General provisions, Section 2(1), this permit shall allow time for the initial start-up, operation and of the affected facilities listed herein. However, within 60 days after achieving the maximum production rate at which the affected facilities will be operated, but not later than 180 days after initial start-up of such facilities, the owner or operator shall demonstrate compliance to a duly authorized representative of the Division).
 - b. Pursuant to State Regulation 401 KAR 59:005, General provisions, Section 3(1)(b), unless notification and justification to the contrary are received by this Division, the date of achieving the maximum production rate at which the affected facilities will be operated shall be deemed to be 30 days after initial start-up.
 - c. Pursuant to Section VII.3 of the policy manual of the Division for Air Quality as referenced by Regulation 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.
4. Operation of the affected facilities authorized by this permit shall not commence until compliance with applicable standards specified herein has been demonstrated in accordance with the requirements of State Regulation 401 KAR 50:035, Permits, Section 13(4).

SECTION D - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:035, Section 5(4). While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Weld Activities	Regulation 401 KAR 63:010
2. Laser Cutting	Regulation 401 KAR 63:010
3. Screen Washing	Regulation 401 KAR 63:010
4. Media Blast	Regulation 401 KAR 63:010
5. Grinding Room	Regulation 401 KAR 63:010
6. General Grinding	Regulation 401 KAR 63:010
7. Screen Curing	Regulation 401 KAR 63:010
8. Electric Cure Oven	Regulation 401 KAR 63:010
9. Spot Welding	Regulation 401 KAR 63:010
10. Tig Welding	Regulation 401 KAR 63:010
11. Metal Cutting	Regulation 401 KAR 63:010
12. Roll Forming	Regulation 401 KAR 63:010
13. Shear/Press Break	Regulation 401 KAR 63:010
14. Thermal Machining	Regulation 401 KAR 63:010
15. Woodworking Shop	Regulation 401 KAR 63:010
16. Paint Gun Cleaning	Regulation 401 KAR 63:010